PAVING, SINKS, COPING, SILLS, STEPS, Bathroom Slabs, Hearthstone, Reading Blocks, Rubbed Paving, Bothhead Paving, Sinks, Stones, Tiling Quarries, plain, and Steps, Chimney Pots (large or small sizes), Rubble or Clay Pipes, Branch Junctions, &c. Builders are invited to inspect the goods, the quality of which will be found to give every satisfaction, and the prices made as small as consistent with good workmanship, a list of which will be sent free on application.—E. and W. STUBBS, Bridge Wharf, Chepstow.

PAVING, 2s. 9d. per SQUARE YARD.—Pavements, Foot-walks, Malt-houses, Corn Stores, Floors of Warehouses, and every description of Pavement laid down at the above low prices, and the work guaranteed.—Apply to JOHN PILLINGTON, POLONCEAU'S BITUMEN PAVEMENT OFFICE, MONUMENT CHAMBERS, 14, FISH-STREET-HILL, E.C. N.B. Country Agents and Railway Engineers and Contractors supplied with the best bitumen for covering bridges and arches.

CHEAP AND DURABLE ROOFING.

By Her Majesty's Royal Letters Patent.

F. McNEILL and CO., of LAMB'S-BUILDINGS, BUNHILL-ROW, LONDON, Manufacturers and only Patentees of

THE PATENT ASPHALTED FELT, FOR ROOFING HOUSES, VERANDAHS, SHEDS, &c.,

Patronised by

HER MAJESTY'S WOODS AND FORESTS,
HER MAJESTY'S COMMISSIONERS OF CUSTOMS,
HONOURABLE EAST-INDIA COMPANY,
HONOURABLE BOARD OF ORDNANCE,
HER MAJESTY'S ESTATE, ISLE OF WIGHT,
ROYAL BOTANICAL GARDENS, REGENT'S PARK,

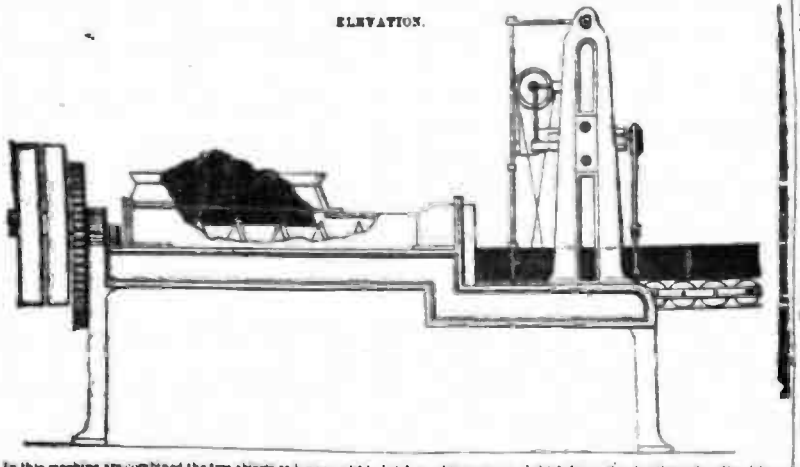
And by the most eminent members of the Royal Agricultural Societies of England, Scotland, and Ireland; at whose great national shows it has been exhibited, and OBTAINED THE PRIZE, for being the best and cheapest article for roofing; also used for under slates at the Royal Agricultural Society's House, in Hanover-square. Its advantages are lightness, warmth, durability, and economy. It is impervious to rain, snow, and frost, and a non-conductor of heat and sound. The Felt can be cut to any length, by 32 inches wide. The price is only ONE PENNY PER SQUARE FOOT. Samples, with full directions as to its use, and the manner of applying it, with TESTIMONIALS, some of them of seven years' experience, from Architects, Builders, Noblemen, and Gentlemen, who have extensively used it, sent free to any part of the town or country. A Dry-hair Felt, for covering Boilers, &c., is also manufactured, by which a saving of about 20 per cent. in fuel is effected. The TRADE are respectfully invited to send their orders DIRECT to the FACTORY, as the surest means of being supplied with the genuine article, and in lengths best suited to their roofs. They are likewise CAUTIONED AGAINST MISREPRESENTATION, as THE ONLY WORKS in Great Britain where the above roofing is made are F. McNEILL and Co.'s Manufactories, LAMB'S-BUILDINGS, BUNHILL-ROW. Roofs covered with the Felt to be seen at the Factory, also the new Vice-Chancellor's Courts, the passages and offices leading to Westminster Hall, and other buildings at the New Houses of Parliament.—A Liberal Discount allowed to the Trade.

RANDELL AND SAUNDERS'S PATENT MACHINE,

FOR THE

IMPROVED MANUFACTURE OF BRICKS, TILES, & PIPES.

ELEVATION.



In this machine are combined the two objects so long sought in brick machines—a press which forces the clay through a die without cessation so long as the clay is supplied to the machine, and a perpetual self-acting cutter, which severs the clay the required lengths without interfering with its progress.

The clay, in a rough state, is thrown upon the screws by the person employed to fill the machine; the screws, in revolving, thoroughly peg the clay, and also force it forwards into a chamber at the other end of the cylinder in which they revolve; from this chamber the clay is allowed to issue through a die, and it is obvious that the stream of clay must take the form of the opening through which it passes, and this opening can be made of the form required to make bricks, tiles, pipes, and other descriptions of ware.

When it is necessary to give the ends of the bricks a corrugated shape, this can be done by attaching a knife to the cylinder of the cutter; this knife revolves with the cylinder, and is made the shape required for the ends of the bricks, which form it imparts to the bricks in cutting them. This arrangement is adapted for making Messrs. RANDELL and SAUNDERS'S Patent Draining Bricks, for sewage purposes, which make a drain of much greater strength than the stoneware or red ware pipes, and at far less cost.

The machine is self-acting—the attendants have merely to put in the clay, and remove the bricks, or other ware, which may be produced.

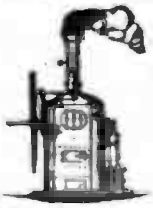
When worked with two-horse power, the machine will produce 1,000 bricks, or 1,200 3-inch pipes, per hour; more power can be applied if desirable, and a larger result obtained.

The screws propel the clay without taking air in with it; thus the ware comes out free from the imperfections which are so often seen in the ware produced by piston presses; and the loss so generally incurred by waste in burning, from the expansion of the air in the ware, is avoided.

The moderate price of this machine, and the simplicity of its construction, place it within the reach of almost every person in the trade, both as to cost and management. It not only lessens the cost of labour required in the process of brick making, but, as the clay can be used in a much drier state than it can be when moulded by the hand, the time occupied in drying is much less; and, when hollow bricks are made, a material saving is effected in the cost of manufacture and burning. In consequence of the great compression given to the clay in its transit, ware of very superior quality is produced.

For prices and further particulars apply to RANDELL and SAUNDERS, Bath; or to CHARLES JOHN CARR and COMPANY, Engineers, Belper, Derby.

TARPAULINS FOR COVERING ROOFS during Repairs, SCAFFOLD CORD and every description of ROPE used by Builders upon the lowest terms. Marquees and temporary Awnings on sale or hire. Orders per post receive the most prompt attention.—WILLIAM PIGGOTT, 118, Fore-street, City, Manufacturer, by appointment, to her Majesty's Honourable Board of Ordnance.



A SAVING of TIME and MATERIALS with solidity of building.

NATHAN GOUGH'S PATENT PORTABLE STEAM-ENGINES of 2, 3, 4, and 6-horse power, for grinding mortar, raising building materials, driving piles, circular saws, pumps, &c., 56, Albert-street, Manchester.

TESTIMONIAL

from Charles Barry, Esq.—
2, Great George-street, Westminster, London, Oct. 27, 1852.

Mr. Nathan Gough.

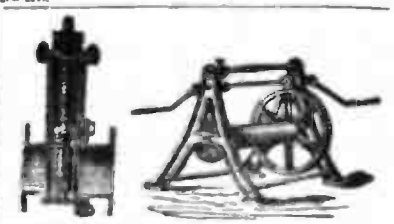
Sir,—I have, for Mr Barry, the pleasure of replying to your request of the 6th inst., for a testimonial of the working of three steam-engines you have supplied to the New Houses of Parliament at Westminster, by saying that they have fully answered the purposes for which they were required, viz., hoisting the building materials; and two of the three have been at work for some years, with very little repairs, and with considerable economy of fuel.—I am, Sir, your obedient servant,

Per pro. CHARLES BARRY,
ALFRED MEEBOY.

PRIZE MEDAL AWARDED TO PEAKE'S

TERRO-METALLIC TILES, PIPES, &c.

ILLUSTRATED TRADE LISTS, containing much information useful for reference; also unsolicited testimonials respecting a MATERIAL which, when well wrought, is probably superior to every other for drains or conduits, for ridges, hips, valleys, and every part of roofs, for plain or chequered floors, for paving and erections of a strong and durable nature, also many other purposes, supplied genuine by THOMAS PEAKE (proprietor of Peake's "Terro-Metallic"), No. 4 WHARF, CITY-ROAD BASIN, LONDON, and at THE TILERIES, TUNSTALL, STAFFORDSHIRE. The lists contain both prices by number, and approximate cost by measure. It is solicited that letters be prepaid, and state if Staffordshire or London prices are wanted. Specimens were at the GREAT EXHIBITION, Class 27, No. 193 (having been at first No. 1111).



IMPROVED SLUICE COCKS for Water Gas, or Steam, brass-faced, and Sluices raised by square thread, engine-turned Screw, working in Brass Nut, in every respect as good as can be manufactured, are offered at the following prices per inch:—

2 inch.	3 and 4 inch.	5 to 9-inch.	10 to 18-inch.
1s.	1s.	1s.	1s.

Lithographs of the improved self-tube-wiping, and various other constructions, with descriptions and prices attached, may be had on application.

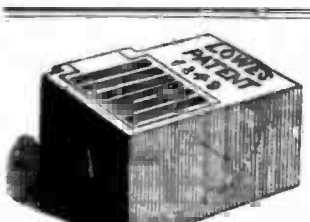
Single purchase Builders' Crabs, as above, fitted with Two Handles, and Wrought Iron Brasses and Spindles, with Bolts to throw in and out of gear, price 6l. each. Delivered in London free.

BARRETT, EXALL, AND ANDREWES,
Makers,
Reading Iron Works, Reading.
Agents in London.—DEANE, DRAY, and DEANE, where the above may be seen.

STOCK & SON'S SOIL-PAN SERVICE-BOX.

The object of this contrivance is to facilitate the introduction of sanitary improvements into the dwellings of the working classes, by the adoption of such an arrangement of cheap soil-pan apparatus as will enable the "constant supply system" of water service to be made available for the removal of the refuse, by preventing the enormous waste of water in places of the description, to which water companies now so strongly and so properly object. By the use of this service-box an ample supply of water is obtained, without the possibility of its being wasted by propping the valve, weighting the handle, or by other means. It is so constructed that, as long as the discharge-valve remains open, a further supply cannot enter the service-box from the main.—Drawings and description may be obtained from STOCK and SON, Manufacturers of Plumbers' Brass-work, Sanitary Closets, Rotary Screw-down Taps, Fire Plugs, Gas Fittings, and Church Furniture in iron and brass, Temple-street, Birmingham.

SANITARY IMPROVEMENTS.



LOWE'S PATENT

EFFLUVIA-TRAP SEWER GRATINGS;

OR, STENCH-TRAP GRIDS,

FOR PUBLIC SEWERS, AND DRAINS IN HOUSES, WORKS, YARDS, GARDENS, COURTS PASSAGES, CELLARS, AND SINK STONES.

Patronised and used at the Model Cottages, in Hyde-Park, erected by H.R.H. Prince Albert, under the superintendence of the "Society for Improving the Condition of the Labouring Classes," and the "Metropolitan Sanitary Society," and by the Corporations and Local Boards of Health in London and the principal Cities and Towns in the Kingdom, and "Honourably Mentioned" by the Jury in Civil Engineering, Class 7, No. 68, Great Exhibition.

The Patent Effluvia Trap Gratings are applicable to all sizes of Street Sewers, and the Drainage in Houses, Works, Public Hospitals and Institutions, Yards, Passages, Gardens and Gravel Walks, Cellars, and Sink Stones, and also in the Sewerage in Turnpike Roads, Railways, and other places, by effectually preventing the noxious effluvia arising therefrom escaping to the surface, and thereby polluting the atmosphere.

The advantages of the Effluvia Trap Sewer Gratings over the Bell, Syphon, Flap, or Drop Traps, common in their combining, in a simple, cheap, and convenient form, a Sewer or Sough Grating, an Effluvia-Trap, a Sediment-Trap, and a Vermin-Trap, all together.

The simplicity of their construction, their general applicability, the ease with which they are examined and cleansed, their solidity of form, durability, perfect efficiency and cheapness, recommend them to the notice of Corporations, Architects, Surveyors, Builders, Contractors, the Trustees of Public Hospitals and Institutions, and all persons interested in the Sanitary Improvements of Towns, and to the Occupiers of all Houses where the Drainage is connected with the Main Sewers.

Upwards of twenty-five thousand of the Patent Grids are now in use by the Corporations, Surveyors, Commissioners of Sewers, or Local Boards of Health, in London and the principal Cities and Towns in the Kingdom.

A. LOWE & CO. Patentees.

Salford, Manchester, February 11th, 1852.

LICENSED MAKERS.

LONDON ..... Messrs. R. W. KEBBARD and CO., Upper Thames-street.
MANCHESTER .. " RICHARD ORMEROD and SON, St. George's Foundry, Minshall-st.
" E. T. BELLHOUSE and CO., Eagle Foundry, Chorlton-road, Ches.
BIRMINGHAM .. " ARCHIBALD KENRICK and SONS, West Bromwich, near Birmingham.
LEIGH ..... Messrs. PICKSLEY and SIMS, Butts Foundry, Bedford, near Leigh, Lancashire.
WARRINGTON .. The Bank Quay Foundry Company.
GLASGOW ..... The Falkirk Iron Company.

THE REDUCED PRICES, NUMBERS, SIZES, AND WEIGHTS, IN CAST IRON, ARE AS FOLLOW, VIZ.:—

	In.	In.	In.	Weight.	£	s.	d.
No. 1 Size	20	by 15	— 25	deep, about 5 cwt.	1	10	0
No. 2 Size	18	by 13	— 13	deep, about 3 cwt.	0	18	0
No. 3 Size	14	by 9	— 9	deep, about 1 cwt.	0	9	0
No. 4 Size	11	by 7	— 7	deep, 85 lbs.	0	6	6
No. 5 Size	9	by 5½	— 5½	deep, 56 lbs.	0	4	0
No. 6 Size	6	by 4	— 4	deep, 16 lbs.	0	3	0
No. 7 Size	for	sink	stones,	in white metal, square pattern	0	2	6

			£	s.	d.
No. 7 Size	for sink stones,	in iron, square pattern, with brass grating and screw plug	1	0	
Ditto	ditto	in iron, round pattern, with brass grating and screw plug	0	9	6
Ditto	ditto	all brass, square pattern, with screw plug	1	6	
Ditto	ditto	all brass, round pattern, with ditto	1	0	
Ditto	ditto	brass top and grating and lead body, with screw plug	0	6	

Any larger or intermediate sizes made to order, with either square or round bottoms, flat, concave, or convex tops, with or without flanges; and also with combined horizontal and perpendicular gratings.

WHOLESALE AGENTS, LONDON:—W. K. WHITEHEAD, Engineer, 69, Cornhill, and THOS. BROOM, Sanitary Depôt, 13, Fleet-street.

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